

IN THE CLAIMS:

Claims 1-17, 23, and 25-27 were previously cancelled. Claims 18, 19, 20 and 33 have been amended herein. All of the pending claims are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

1.-18. (Cancelled)

18. (Currently amended) A ladder hinge and rail assembly comprising:
a first ladder rail;
a second ladder rail;
a first hinge component having a laterally extending hinge tongue, a longitudinally extending rail mount section, and an abutment shoulder between the hinge tongue and the rail mount section and extending across substantially an entire width of the longitudinally extending rail mount section, wherein the longitudinally extending rail mount section of the first hinge component is partially longitudinally disposed within the first ladder rail;
a second hinge component having a pair of plate segments defining a lateral hinge groove and a longitudinally extending rail mount section, the pair of plate segments each having a peripheral edge, wherein the longitudinally extending rail mount section of the second hinge component is partially longitudinally disposed within the second ladder rail, and wherein the hinge tongue of the first hinge component is disposed within the lateral hinge groove of the second hinge component and configured to provide relative rotation of the first and second hinge components about a defined axis from a first relative position of the first hinge component and the second hinge component wherein the first ladder rail and the second ladder rail are angled with respect to each other, to a second relative position of the first hinge component and the second hinge component wherein, when in the second relative position, the first ladder rail and the second ladder rail are aligned with each other and the first hinge component extends substantially longitudinally from the second hinge component and wherein the abutment shoulder abutment abuts a peripheral

edge of one plate segment of the pair of plate segments in a substantially conformal manner and, when in the first position, the abutment shoulder and the peripheral edge of the one plate segment are spaced from each other.

19. (Currently amended) The ladder hinge and rail assembly of claim 18, wherein an internal cross-sectional periphery of the first ladder rail is configured to interlock with and transmit an applied loading to the rail mount section of the first hinge component.

20. (Currently amended) The ladder hinge and rail assembly of claim 19, wherein an internal cross-sectional periphery of the second ladder rail is configured to interlock with and transmit an applied loading to the rail mount section of the second hinge component.

21. (Previously presented) The ladder hinge and rail assembly of claim 18, wherein the rail mount section of the first hinge component includes a first reinforcement segment, a second reinforcement segment and a web segment extending therebetween, wherein the first and second reinforcement segments each exhibit a greater cross-sectional thickness than a cross-sectional thickness of the web segment.

22. (Previously presented) The ladder hinge and rail assembly of claim 18, wherein the first hinge component is configured as a unitary member.

23. (Cancelled)

23. (Cancelled)

24. (Previously presented) The ladder hinge and rail assembly of claim 18, wherein the second hinge component comprises an extruded member.

25.-27. (Cancelled)

28. (Previously presented) The ladder hinge and rail assembly of claim 22, wherein the second hinge component is configured as a unitary member.

29. (Previously presented) The ladder hinge and rail assembly of claim 24, wherein the first hinge component comprises an extruded member.

30. (Previously presented) The ladder hinge and rail assembly of claim 18, wherein the longitudinally extending rail mount section of the first hinge component exhibits a varying cross-sectional geometry taken transverse to a longitudinal axis thereof, and wherein the longitudinally extending rail mount section of the first hinge component is partially longitudinally disposed within the first ladder rail in a substantially conformal and cooperatively mating relationship.

31. (Previously presented) The ladder hinge and rail assembly of claim 30, wherein the longitudinally extending rail mount section of the second hinge component exhibits a varying cross-sectional geometry taken transverse to a longitudinal axis thereof, and wherein the longitudinally extending rail mount section of the second hinge component is partially longitudinally disposed within the first ladder rail in a substantially conformal and cooperatively mating relationship.

32. (Previously presented) The ladder hinge and rail assembly of claim 18, wherein the abutment shoulder includes a substantially arcuate surface.

33. (Currently amended) The ladder hinge and rail assembly of claim 32, wherein the abutment shoulder abuts the peripheral edge of the one plate segment along substantially the entire length of the substantially arcuate surface.

34. (Previously presented) The ladder hinge and rail assembly of claim 18, wherein the first hinge component and the second hinge component cooperatively define a beam when in the second relative position.